

09/787292

JCO3 Rec'd PCT/PTO 15 MAR 2001

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application Branch

In re Patent Application of

Applicants: Yoshimi HOMMA et al.

International Appln. No.: PCT/JP99/05069

Int'l Filing Date: September 17, 1999

For: METHOD FOR THE DIAGNOSIS OF CELL  
PROLIFERATIVE DISEASE

)  
)  
)  
)  
)

**INFORMATION  
DISCLOSURE  
STATEMENT**

#8  
pg  
8.25.01

**Attorney Docket: 31671-169944**

Assistant Commissioner for Patents  
Washington, D.C. 22031

**Attention: PCT DO/EO/US**

Sir:

This is an Information Disclosure Statement submitted under 37 C.F.R.1.97 ff within the time specified under 37 CFR 1.97(b).

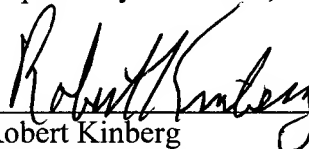
Attached is a PTO-Form 1449 listing the enclosed references cited in the specification and in the enclosed International Search Report (English translation provided).

A Form PTO-1449 listing the references is attached.

In view of the above, no further translation of foreign language documents and no further statement of relevance need be given, and as all requirements of 37 C.F.R. 1.97 and 1.98, and all official guidelines pertaining to Information Disclosure Statements have been complied with, it is respectfully requested that the Examiner consider the cited publications and make them of record.

Date: **March 15, 2001**

Respectfully submitted,



Robert Kinberg  
(Registration No. 26,924)  
VENABLE  
P.O. Box 34385  
Washington, D.C. 20043-9998  
Telephone 202-962-4800  
Telefax 202-962-8300

RK/rgf  
DC2DOCS1\271548

09/787292

JC03 Rec'd PCT/PTO 15 MAR 2001

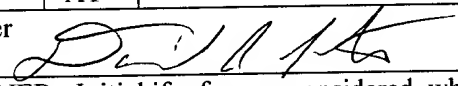
1 of 4

<b>FORM PTO-1449</b>				Atty. Docket: <b>31671-169944</b>		Int'l Application No. PCT/JP99/05069	
<b>INFORMATION DISCLOSURE STATEMENT</b>				Applicant Yoshimi HOMMA et al.			
				Int'l Filing Date September 17, 1999		Group Not Yet Assigned	
<b>U.S. PATENT DOCUMENTS</b>							
Examiner Initial		Document Number	Date	Name	Class	Sub- Class	Filing Date
<b>FOREIGN PATENT DOCUMENTS</b>							
		Document Number	Date	Country	Class	Sub- Class	Trans- lation
<b>OTHER (Including Author, Title, Date, Pertinent Pages, etc.)</b>							
DR6	AA	<i>Human Molecular Genetics Vol. 2, No. 7 (1993)</i> , Annett Behn-Krappa et al., "The state of DNA methylation in the promoter and exon 1 regions of the human gene for the interleukin-2 receptor $\alpha$ chain (IL-2R $\alpha$ ) in various cell types", pp. 993-999					
DR6	AB	<i>Cell, Vol. 70, (1992)</i> , Adrian Bird, "The Essentials of DNA Methylation", pp. 5-8					
DR6	AC	<i>Blood, Vol. 93, No. 12, (1999)</i> , Rakesh Singal et al., "DNA Methylation", pp. 4059-4070					
DR6	AD	<i>BioEssays, Vol. 17, No. 2, (1995)</i> , Roger L. P. Adams, "Eukaryotic DNA methyltransferases-structure and function", pp. 139-145					
DR6	AE	<i>Proc. Natl. Acad. Sci. USA, Vol. 96, (1999)</i> , Alan P. Wolffe et al., "DNA demethylation", pp. 5894-5896					
DR6	AF	<i>Trend in Genet. (TIG), Vol. 13, No. 8, (1997)</i> , Rudolf Jaenisch, "DNA methylation and imprinting: why bother?", pp. 323-329					
DR6	AG	<i>Trends in Genet. (TIG), Vol. 13, No. 11, (1997)</i> , Stefan U. Kass et al., "How does DNA methylation repress transcriptions?", pp. 444-449					
DR6	AH	<i>Nature, Vol. 389, (1997)</i> , Anton Wutz et al., "Imprinted expression of the Igf2r gene depends on an intronic CpG island", pp. 745-749					
DR6	AI	<i>J. Biochem, Vol. 125, No. 2, (1999)</i> , Tapas K. Kundu et al., "CpG Islands in Chromatin Organization and Gene Expression", pp. 217-222					
DR6	AJ	<i>Adv. Cancer Res., Vol. 72, (1998)</i> , Stephen B. Baylin et al., "Alterations in DNA Methylation: A Fundamental Aspect of Neoplasia", pp. 141-196					
Examiner <i>DR6</i>					Date Considered 8/15/02		
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant. DC2DOCSI\271548							

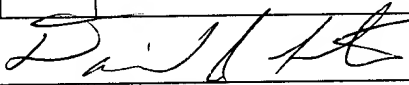
09/787292

JC03 Rec'd PCT/PTO 15 MAR 2001

2 of 4

<b>FORM PTO-1449</b>				Atty. Docket: <b>31671-169944</b>		Int'l Application No. PCT/JP99/05069	
<b>INFORMATION DISCLOSURE STATEMENT</b>				Applicant Yoshimi HOMMA et al.			
				Int'l Filing Date September 17, 1999		Group Not Yet Assigned	
<b>U.S. PATENT DOCUMENTS</b>							
Examiner Initial		Document Number	Date	Name	Class	Sub- Class	Filing Date
<b>FOREIGN PATENT DOCUMENTS</b>							
		Document Number	Date	Country	Class	Sub- Class	Trans- lation
<b>OTHER (Including Author, Title, Date, Pertinent Pages, etc.)</b>							
DRG	AK	Nucleic Acids Res., Vol. 26, No. 10, (1998,) Theo Rein et al., "Identifying 5-methylcytosine and related modifications in DNA genomes", pp. 2255-2264					
DRG	AL	Proc. Natl. Acad. Sci. USA, Vol. 96, (1999), Masahiko Shiraishi et al., "Isolation of DNA fragments associated with methylated CpG islands in human adenocarcinomas of the lung using a methylated DNA binding column and denaturing gradient gel electrophoresis" pp. 2913-2918					
DRG	AM	Proc. Natl. Acad. Sci. USA, Vol. 89, (1992) Marianne Frommer et al., "A genomic sequencing protocol that yields a positive display of 5-methylcytosine residues in individual DNA strands" pp. 1827-1831					
DRG	AN	Nucl. Acids Res., Vol. 22, No. 15, (1994), Susan J. Clark et al., "High sensitivity mapping of methylated cytosines", pp. 2990-2997					
DRG	AO	The Lancet, Vol. 350, (1997), Robert S. Stem, "Psoriasis", pp. 349-353					
DRG	AP	The Lancet, Vol. 338, (1991), Jonathan N. W. N. Barker, "The pathophysiology of psoriasis", pp. 227-230					
DRG	AQ	The Lancet, Vol. 338, (1991) Alan Menter et al., "Psoriasis in practice", pp. 231-234					
DRG	AR	Nature Genetics, Vol. 14, (1996), Deborah Matthews et al., "Evidence that a locus for familial psoriasis maps to chromosome 4q", pp. 231-233					
DRG	AS	Science, Vol. 264, (1994), James Tomfohrde et al., "Gene for Familial Psoriasis Susceptibility Mapped to the Distal End of Human Chromosome 17q", pp. 1141-1145					
DRG	AT	Arch. Dermatol., Vol. 130, (1994), James T. Elder et al. "The Genetics of Psoriasis", pp. 216-224					
Examiner 					Date Considered 8/15/02		
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant. DC2DOCS1271548							

<b>FORM PTO-1449</b>				Atty. Docket: 31671-169944		Int'l Application No. PCT/JP99/05069	
<b>INFORMATION DISCLOSURE STATEMENT</b>				Applicant Yoshimi HOMMA et al.			
				Int'l Filing Date September 17, 1999		Group Not Yet Assigned	
<b>U.S. PATENT DOCUMENTS</b>							
Examiner Initial		Document Number	Date	Name	Class	Sub- Class	Filing Date
<b>FOREIGN PATENT DOCUMENTS</b>							
		Document Number	Date	Country	Class	Sub- Class	Trans- lation
<b>OTHER (Including Author, Title, Date, Pertinent Pages, etc.)</b>							
D126	AU	<i>J. Dermatol. Sci., Vol. 16, (1998), Noritaka Oyama et al., "Different growth properties in response to epidermal growth factor and interleukin-6 of primary keratinocytes derived from normal and psoriatic lesional skin", pp. 120-128</i>					
D126	AV	<i>J. Biol. Chem., Vol. 266, (1991), John D. Haley et al., "Contributory Effects of de Novo Transcription and Premature Transcript Termination in the Regulation of Human Epidermal Growth Factor Receptor Proto-oncogene RNA Synthesis", pp. 1746-1753</i>					
D126	AW	<i>J. Biol. Chem., Vol. 263, No. 12, (1988), Alfred C. Johnson et al., "Epidermal Growth Factor Receptor Gene Promoter", pp. 5693-5699</i>					
D126	AX	<i>Dermatologica, Vol. 157, (1978), T. Fredriksson et al., "Severe Psoriasis-Oral Therapy with a New Retinoid", pp. 238-244</i>					
D126	AY	<i>J. Dermatol. Sci., Vol. 16, (1998), Junichi Sugai et al., "New method for determining prognosis of patients with psoriasis (E-PAP)", pp. 165-169</i>					
D126	AZ	<i>Nippon Rinsho, Vol 57, (1999), Tsuyoshi Sakane, "The most recent advance in clinical investigation of rheumatoid arthritis" pp. 333-338</i> <b>ABSTRACT ONLY; TEXT NOT IN ENGLISH</b>					
D126	BA	<i>Seminars in Arthritis &amp; Rheumatism, Vol. 21, No. 5, (1992), William V. Williams et al., "Tyrosine Kinase Signal Transduction in Rheumatoid Synovitis", pp. 317-329</i>					
D126	BB	<i>Mol. Cell. Biol., vol. 7, (1987), Michael Tal et al., "Human HER2 (neu) Promoter: Evidence for Multiple Mechanisms for Transcriptional Initiation", pp. 2597-2601</i>					
D126	BC	<i>Proc. Natl. Acad. Sci. USA, Vol. 84, (1987), Shunsuke Ishii et al., "Characterization of the promoter region of the human c-erbB-2 protooncogene", pp. 4374-4378</i>					
D126	BD	<i>J. Biol. Chem., Vol. 265, No. 8, (1990), Laurie G. Hudson et al., "Structure and Inducible Regulation of the Human c-erb B2/neu Promoter", pp. 4389-4393</i>					
Examiner <i>[Signature]</i>					Date Considered 8/5/02		
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant. DC2DOCS1/271548							

<b>FORM PTO-1449</b>				Atty. Docket: 31671-169944		Int'l Application No. PCT/JP99/05069	
<b>INFORMATION DISCLOSURE STATEMENT</b>							
				Applicant Yoshimi HOMMA et al.			
				Int'l Filing Date September 17, 1999		Group Not Yet Assigned	
<b>U.S. PATENT DOCUMENTS</b>							
Examiner Initial		Document Number	Date	Name	Class	Sub- Class	Filing Date
<b>FOREIGN PATENT DOCUMENTS</b>							
		Document Number	Date	Country	Class	Sub- Class	Trans- lation
<b>OTHER (Including Author, Title, Date, Pertinent Pages, etc.)</b>							
DRG	BE	Gene, Vol. 136, (1993), Adrienne P. Ertl et al., "Structural features of the 5' region of the human erbB-2 gene", pp. 361-364					
DRG	BF	Cancer Res., Vol. 54, (1994), Madeleine Grooteclaes et al., "The 6-Kilobase c-erbB2 Promoter Contains Positive and Negative Regulatory Elements Functional in Human Mammary Cell Lines 1", pp. 4193-4199					
DRG	BG	Arthritis Reum., Vol. 31, No. 3, (1988), Frank C. Arnett et al., "The American Rheumatism Association 1987 Revised Criteria For The Classification Rheumatoid Arthritis", pp. 315-324					
DRG	BH	Biochim. Biophys. Acta, Vol. 1377, (1998), Eldad Tzahar et al., "The ErbB-2/HER2 oncogenic receptor of adenocarcinomas: from orphanhood to multiple stromal ligands", pp. M25-M37					
DRG	BI	Biochim. Biophys. Acta, Vol. 1198, (1994), Nancy E. Hynes et al., "The biology of erbB-2/neu/HER-2 and its role in cancer", pp. 165-184					
DRG	BJ	J. Biol. Chem., Vol. 269, (1994), Lena Claesson-Welsh, "Platelet-derived Growth Factor Receptor Signals", pp. 32023-32026					
DRG	BK	Oncogene, Vol. 10, (1995), GB Afink et al., "Molecular cloning and functional characterization of the human platelet-derived growth factor $\alpha$ receptor gene promoter", pp. 1667-1672					
DRG	BL	J. Biol. Chem., Vol. 270, No. 46, (1995), Kaoru Morishita et al., "A Novel Promoter for Vascular Endothelial Growth Factor Receptor (flt-1) That Confers Endothelial-specific Gene Expression", pp. 27948-27953					
DRG	BM	Proc. Natl. Acad. Sci. USA Vol. 74, No. 3, Louis M. Kunkel et al., "Analysis of human Y-chromosome-specific reiterated DNA in chromosome variants", pp. 1245-1249					
DRG	BN	S.L. Beaucage & M.H. Caruthers, Tetrahedron Letters, Vol. 22, (1981), S. L. Beaucage et al., "Deoxynucleoside Phosphoramidites-A New Class Of Key Intermediates For Deoxypolynucleotide Synthesis", pp. 1859-1862					
Examiner 					Date Considered 8/15/02		
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant. DC2DOCS1271548							